

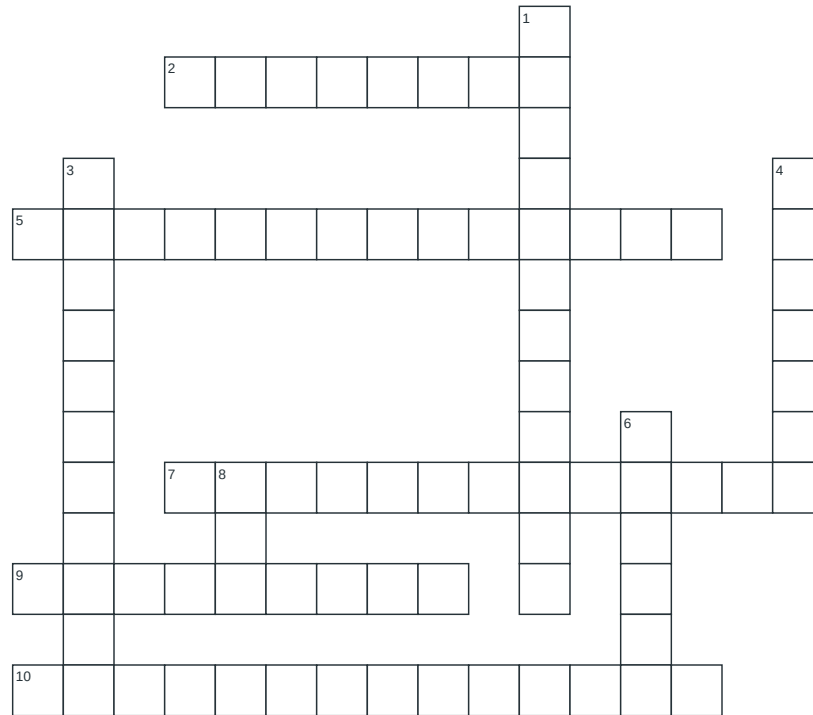
Photosynthesis and Cellular Respiration Crossword

Easy | 10 clues | Student Worksheet

Name: _____

Date: _____

Directions: Use the clues to complete the grid. Omit spaces, punctuation, and hyphens.



ACROSS

2. Cell structure that assembles proteins.
5. Process that uses light energy to build sugars from carbon dioxide and water
7. Gas that is a reactant in photosynthesis
9. Cell contents outside the nucleus and inside the plasma membrane
10. Boundary that regulates exchange between a cell and its surroundings.

DOWN

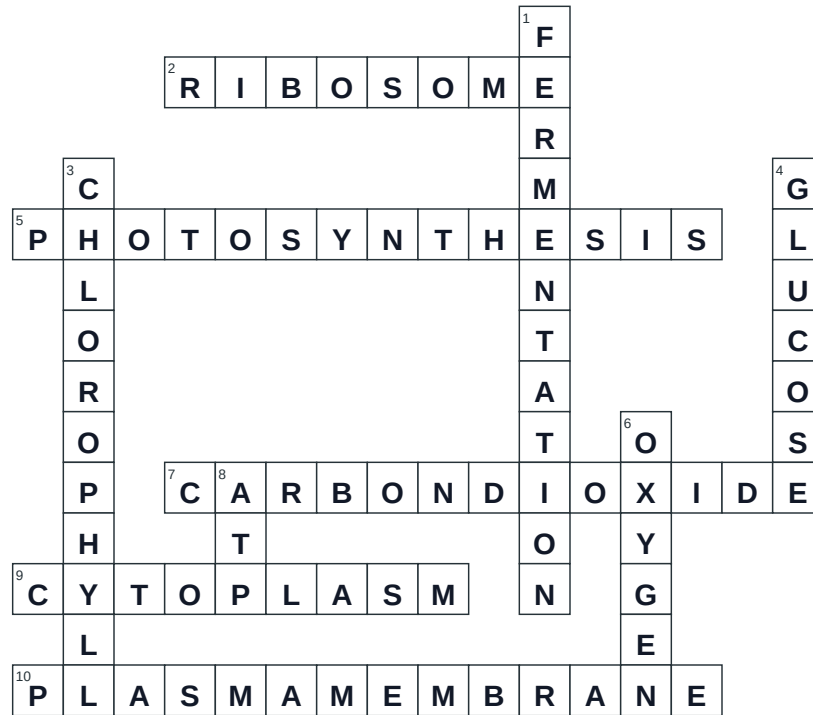
1. Helps regenerate molecules needed for glycolysis to continue
3. Pigment absorbs light for photosynthesis in green plants
4. Sugar is commonly used to summarize the product of photosynthesis
6. Element whose gas is used in aerobic cellular respiration
8. Molecule that is a major short-term energy-transfer carrier in cells

Photosynthesis and Cellular Respiration Crossword

Easy | 10 clues | Teacher Answer Key

TEACHER ANSWER KEY

Completed grid and numbered answers. Spaces and punctuation are omitted in the grid.



ACROSS

2. Ribosome
5. Photosynthesis
7. Carbon Dioxide
9. Cytoplasm
10. Plasma membrane

DOWN

1. Fermentation
3. Chlorophyll
4. Glucose
6. Oxygen
8. ATP

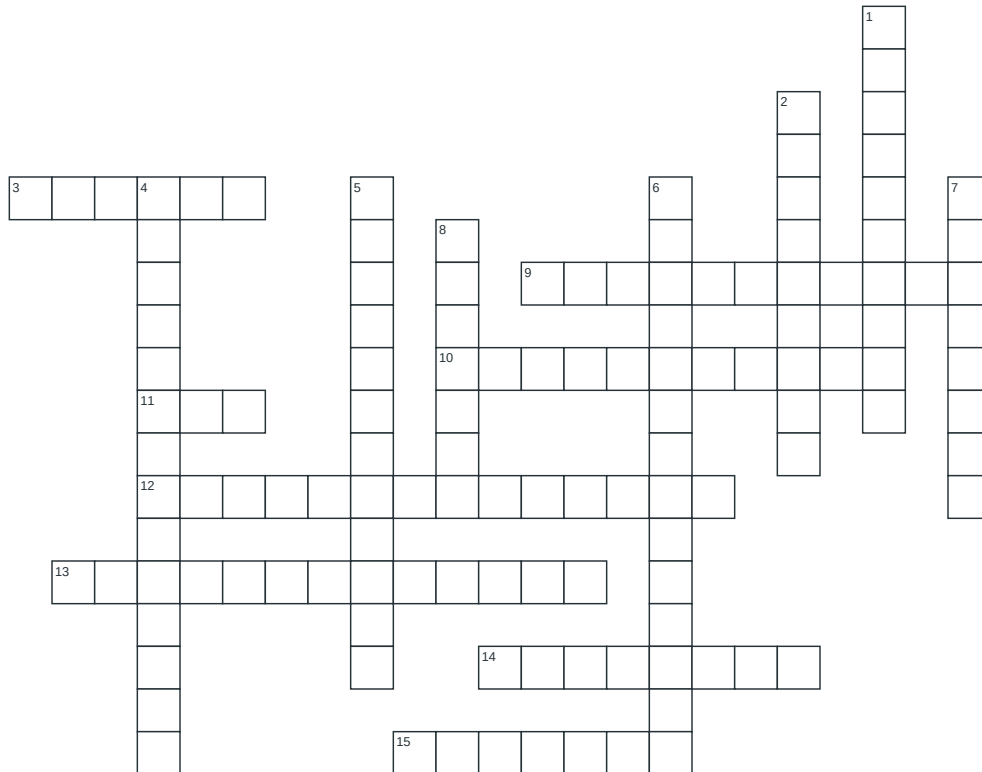
Photosynthesis and Cellular Respiration Crossword

Medium | 15 clues | Student Worksheet

Name: _____

Date: _____

Directions: Use the clues to complete the grid. Omit spaces, punctuation, and hyphens.



ACROSS

3. Element whose gas is used in aerobic cellular respiration
9. Pigment absorbs light for photosynthesis in green plants
10. Organelle where photosynthesis occurs in plants and algae.
11. Molecule that is a major short-term energy-transfer carrier in cells
12. Boundary that regulates exchange between a cell and its surroundings.
13. Gas that is a reactant in photosynthesis
14. Cell structure that assembles proteins.
15. Membrane-bound organelle that contains most eukaryotic DNA.

DOWN

1. Cell type that lacks a membrane-bound nucleus.
2. Cell contents outside the nucleus and inside the plasma membrane
4. Organelle that modifies, sorts, and packages many proteins.
5. Helps regenerate molecules needed for glycolysis to continue
6. Process that uses light energy to build sugars from carbon dioxide and water
7. Rigid outer layer that supports many plant, fungal, and bacterial cells.
8. Sugar is commonly used to summarize the product of photosynthesis

Photosynthesis and Cellular Respiration Crossword

Medium | 15 clues | Teacher Answer Key

TEACHER ANSWER KEY

Completed grid and numbered answers. Spaces and punctuation are omitted in the grid.



ACROSS

3. Oxygen
9. Chlorophyll
10. Chloroplast
11. ATP
12. Plasma membrane
13. Carbon Dioxide
14. Ribosome
15. Nucleus

DOWN

1. Prokaryote
2. Cytoplasm
4. Golgi apparatus
5. Fermentation
6. Photosynthesis
7. Cell wall
8. Glucose

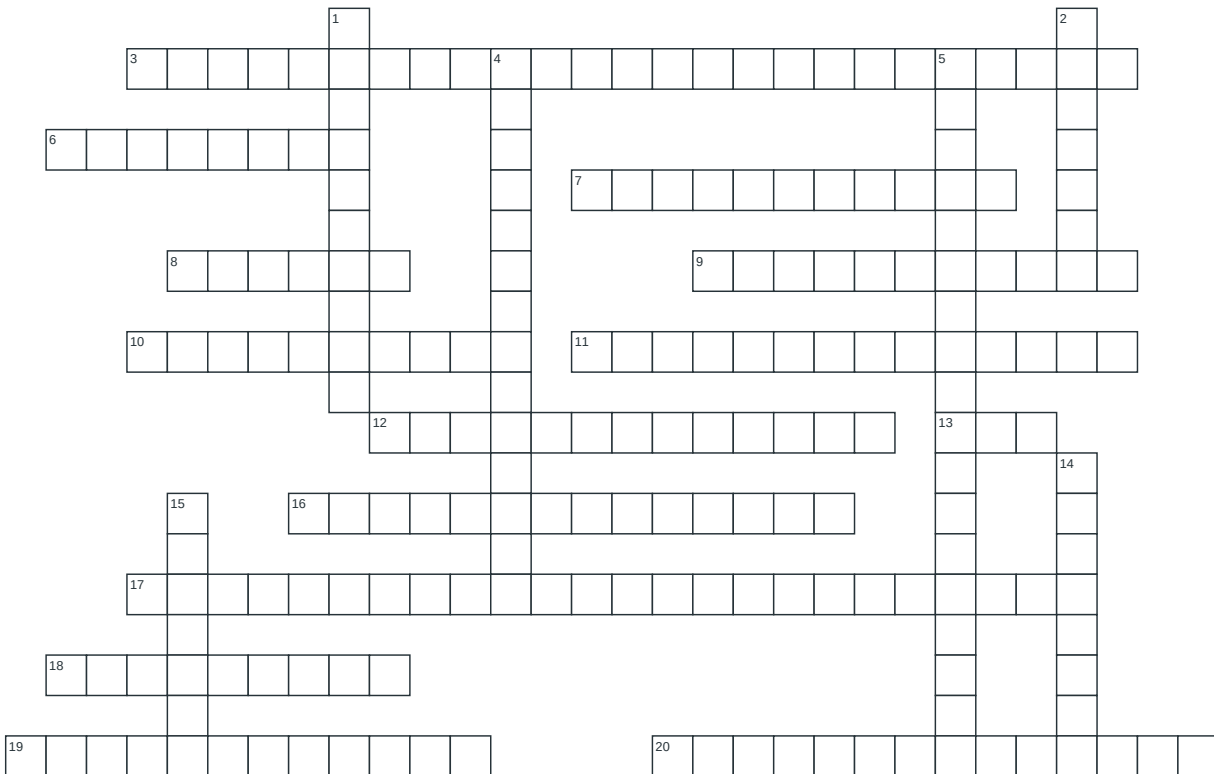
Photosynthesis and Cellular Respiration Crossword

Hard | 20 clues | Student Worksheet

Name: _____

Date: _____

Directions: Use the clues to complete the grid. Omit spaces, punctuation, and hyphens.

**ACROSS**

3. Membrane network with attached ribosomes that helps process proteins.
6. Rigid outer layer that supports many plant, fungal, and bacterial cells.
7. Pigment absorbs light for photosynthesis in green plants
8. Element whose gas is used in aerobic cellular respiration
9. Organelle where photosynthesis occurs in plants and algae.
10. Cell type that lacks a membrane-bound nucleus.
11. Plant-cell compartment that stores water and helps maintain pressure.
12. Gas that is a reactant in photosynthesis
13. Molecule that is a major short-term energy-transfer carrier in cells
16. Organelle that modifies, sorts, and packages many proteins.
17. Relationship between a cell's exchange surface and its internal volume.

ACROSS (continued)

18. Cell contents outside the nucleus and inside the plasma membrane
19. Helps regenerate molecules needed for glycolysis to continue
20. Process that uses light energy to build sugars from carbon dioxide and water

DOWN

1. States that living things are made of cells and that cells come from existing cells.
2. Membrane-bound organelle that contains most eukaryotic DNA.
4. Boundary that regulates exchange between a cell and its surroundings.
5. Process by which cells develop structures suited to particular functions.
14. Cell structure that assembles proteins.
15. Sugar is commonly used to summarize the product of photosynthesis

Photosynthesis and Cellular Respiration Crossword

Hard | 20 clues | Teacher Answer Key

TEACHER ANSWER KEY

Completed grid and numbered answers. Spaces and punctuation are omitted in the grid.



ACROSS

3. Rough endoplasmic reticulum
6. Cell wall
7. Chlorophyll
8. Oxygen
9. Chloroplast
10. Prokaryote
11. Central vacuole
12. Carbon Dioxide
13. ATP
16. Golgi apparatus
17. Surface area-to-volume ratio

ACROSS (continued)

18. Cytoplasm
19. Fermentation
20. Photosynthesis

DOWN

1. Cell theory
2. Nucleus
4. Plasma membrane
5. Cell specialization
14. Ribosome
15. Glucose